

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date: 09.06.25	Job No.: 00681	ADR Yes/No: <input checked="" type="checkbox"/>	ADR Date: 09.01.2018	ECN #: 09- 619
Product No.: D058-677		Created By: AJS	Approved By: 	
Product Name: HELI ACCESS STEP		Checked By: 	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager	Y	LL	MF 09-06-24
Production Engineering Coord	Y	JLM/EC	AS 09/06/24
Production Document Control			
Custómer Technical Support	Y	DSTOW	AS 09-06-24

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord			
QC Coordinator	Y	JM	10306-26
Marketing	Y	SW	SW 07-06-26
Customer Order Processing			

Reason for Change: DESIGN IMPROVEMENT SEE PAR 152

Documents Affected:

IIN-D058-677 REV. C
ICA-D058-677 REV. 1
D2230 REV. G, D2731 REV. C, D2943 REV. C & D3394 REV. B

PARTS MUST COMPLY

X

PREVIOUS PARTS SATISFACTORY

1

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N		SUPERCEDE	
5	Update Product Compatability Matrix	N			
6	Create Eurocopter Form (FEE)	N			
7	Notify TC / FAA of Change	N			

#	Document Control Actions	Reqd	Resp	Notes	Complete
8	Move Electronic Files	Y	KJ		09.06.25 <i>sf</i>
9	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ		09.06.25 <i>sf</i>
10	Update Controlled PDF Files	Y	KJ		09.06.25 <i>sf</i>
11	Update Master Document List (MDL)	Y	AJS	628 Rev.I / 677 Rev.D / 5A1 Rev B / 602 Rev A	09.06.25 <i>AS</i> <i>sf</i>
12	Update Document Record (DR)	Y	KJ	5A1 Rev O / 602 Rev O / 607 Rev Q / 628 Rev H / 677	09.06.25 <i>sf</i>
13	Update Product Development Summary	N		677 Rev C / 721 Rev. D	<i>S</i>
14	Update QSI 021 and/or STC Approval List	N			
15	Update Parts / STC Database	N			
16	Update / Verify ARC Database	Y			
17	Create / Update Change Record Form	Y	KJ		09.06.25 <i>sf</i>
18	Create / Update PPP's	Y	KJ		09.06.25 <i>sf</i>
19	Update Document Control Database / Laminated Dwgs	N			
20	Update Grey Project Binder	Y	KJ		09.06.25 <i>sf</i>
21	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		09.06.25 <i>sf</i>
22					
23					

Description / Action:

UPDATE CHANGE RECORD: D058-677-011 FROM CHG 001 - CHG 002

D058-677-012 FROM CHG 001 - CHG 002

D058-677-013 FROM CHG 001 - CHG 002

D058-677-014 FROM CHG 001 - CHG 002

RELEASE: 2011/05/08 14:27

ICAO-D058-677 REV. 1

D2230 REV. G

D2731 REV C

D2943 REV C

D3394 REV B

ECN Verified & Complete:

Date: 01/16/29

AMENDMENT DESIGN REVIEW (ADR)

Part/Installation No.: D058-677 Rev: G Design Review No.: 1 Date: 09.01.20

Project Number: 00569 Project Description/Title: Heli-Access-Step

Eng. Project Manager: Alan Stocker

Persons Present	Title	Initial
Mike Petsche	Design Manager	<i>AJS</i>
Alan Stocker	Engineering Project Manager	<i>AJS</i>
David Shepherd	Chief Engineer (DE #02)	<i>DS</i>
	Manufacturing Manager	<i>MS</i>
	Quality Manager	
Peter Hum	Mechanical Designer	<i>PH</i>

Comments

Minor design improvements have been made to D058-677-011/-012/-013/-014 Heli-Access-Steps to prevent cracking of the step (see PAR 152). Further minor improvements were made to installation clamps to prevent and the installation of the clamps to prevent potential damage to the aircraft's cross tubes. These improvements included:

1) To prevent the step from cracking the D2943-041/-042 Step assemblies we re-designed from a single lug attachment to a double lug this also required the creation of the D3855-1/-3 lugs (See D2943 Rev C).

2 To prevent potential damage to the aircraft's cross tubes D2732-030 Rubber cushions were added between the installation clamps and cross tubes in installation instructions see IIN-D058-677 Rev. C page 6 Section B-B.

3) The D2230 & D2731 clamps have been updated with radii on the points where the clamps contact the D2732-030 Rubber cushions this will prevent chafing of the cushions and help prevent potential damage to the aircraft's cross tubes (see D2230 Rev G section A-A as example).

Send documentation to FAA DER Dave Mc Clenahan

Key Tasks (Check or N/A)	Check	Responsible	Completion Date
Review Outstanding TSR/NCR/CAR/PAR	Y	AJS	
Fill out Criteria/Constraints Form – Inputs	N		
Fill out Project Evaluation Form	N		
D-Part creation/revision	Y	AJS	
Get Manufacturing Input	Y	AJS/DSTOW	
First Article Inspection	N		
Fit and Function Test	Y	AJS/DSTOW	
Structural Test	N		
Reports (Compliance, Loads, Stress, Conformity, DSI)	N		
Check Drawings against all QSI's	Y	AJS	
Review Criteria/Constraints Form	N		
Revision to existing approval	N		
Close Amendment Project	Y	AJS	

Conclusion:

Release IIN-D058-677 Rev. C, ICA-D058-677 Rev. 1, D2230 Rev. G & D2731 Rev. C Per ECN.

Preventive Action Report

PAR

152

Raised by:	Source:	Sheet No. / of /
Bill Beckett		Date: 06/05/16
Issue for Dept./Supplier:	Chief Engineer	Priority: HIGH LOW
Product/Service:	Engineering / OH-58 LANDING GEAR.	
Area of Standard: QSI QSP QSPM	Section A Description of Issue	
Documents: P/O Invoice W/O Batch No. TSR Drawing	<p>To PREVENT CRACKING in WELD AS SEEN IN CAR180.</p> <p>Similar Design A206-628-XXX.</p>	

Forward to Director, Quality Assurance on completion of this box

DQA: Section B: Indicate who is responsible for creating P/A, and a completion date. Section C: Indicate who will verify.

Section B

Preventive Action

Responsible for Investigation/PA: JERGE / Mike Petersen To be done by: 5/20/2024

Fault Category:

Section C Verification of P/A

Responsible for Verification of PA: Dale Repanovec

**Forward to DQA on
Completion of Verification**

DQA: _____

Date: _____

P/A Closed

Date